



STATE OF IOWA

CHESTER J. CULVER, GOVERNOR
PATTY JUDGE, LT. GOVERNOR

DEPARTMENT OF NATURAL RESOURCES
RICHARD A. LEOPOLD, DIRECTOR

- INFORMATION ITEM – JULY 2008 -

Stream Bank Protective Devices

This document provides implementation procedures for Section 6 of the Governor's "Proclamation of Suspension of Rules Due to Disaster Emergency" of July 8, 2008.

The Proclamation states that Iowa Administrative Code rules 567—71.9(455B) and 567—72.9(455B) regarding stream bank protective devices are suspended in those counties listed as receiving a Presidential Disaster Declaration. A map of the declared counties can be found at: <http://www.fema.gov/news/event.fema?id=9867>.

The rule suspension is in effect through the duration of the Presidential Disaster Declaration or until the department otherwise amends the rules, whichever comes first.

The Proclamation also states that AS PROVIDED IN APPENDIX A armoring/revetment protective devices in stream channels may be constructed or installed without a flood plain development permit from the Department of Natural Resources in those counties listed as receiving a Presidential Disaster Declaration.

Appendix A of the Proclamation is provided below:

Appendix A: Armoring/revetment protective devices in stream channels

- a. Armoring material shall be limited to quarry rock, field stone, broken concrete, gabion baskets or gabion mattresses. If broken concrete is used, all exposed reinforcing steel must be removed from the concrete or cut flush with the surface of the concrete prior to placement and must be maintained free of exposed reinforcing steel. Broken concrete slabs must not exceed three feet in any dimension. The revetment material should consist of a mixture of sizes so as to form a dense, interlocking blanket. The use of asphalt or other material considered to be solid waste is prohibited.
- b. Armoring material shall be placed on the existing or a prepared stream bank with a finished slope of no steeper than 1.5 feet horizontal to 1 foot vertical (1.5H:1V).
- c. The thickness of the blanket of armoring materials shall not exceed three feet. In no case shall the material be placed so that the resulting channel cross-section is more restrictive than the adjacent natural upstream and downstream channel cross-section. The placement of armoring material into isolated scour hole areas may exceed the maximum thickness limitation of three feet as long as the material does not obstruct the channel.
- d. Any spoil material resulting from stream bank shaping must be disposed outside the flood plain in a non-wetland location.
- e. The armoring material shall not extend vertically above the adjacent top of bank.
- f. Project registration is required for armoring/revetment protective devices. The following project information shall be sent to the Attention of Annie Hartman, Iowa Department of Natural Resources: Name, phone number and mailing address of the project point of contact, location of the project (in the Quarter-Quarter, Section-Tier-Range format), and length of stream reach affected. This registration is for informational purposes only. The Department will not send a response to the project registration.

The Proclamation suspends rules for flood plain development approval, but does not address other program requirements. Therefore, in addition to following the provisions of Appendix A of the Proclamation, those intending to construct or install armoring/revetment protective devices in stream channels are asked to contact the following persons prior to construction:

Donna Jones - Rock Island District, U.S. Army Corps of Engineers

phone: 309/794-5371

e-mail: donna.m.jones@usace.army.mil

mail: Rock Island District, U.S. Army Corps of Engineers; P.O. Box 2004; Rock Island, IL 61204-2004

Inga Foster - Iowa DNR Sovereign Lands Program

phone: 515/281-8967

e-mail: inga.foster@dnr.iowa.gov

mail: Iowa DNR, 502 E. 9th St., Des Moines, IA 50319

If you have additional questions, please contact:

DNR Flood Plain Management Program Contacts:

Flood Plain Management Program website: <http://floodplain.iowadnr.gov/>

Kelly Stone ph: 515/281-4312 kelly.stone@dnr.iowa.gov

Dave Allen ph: 515/281-6930 dave.allen@dnr.iowa.gov

Annie Hartman ph: 515/281-8979 annie.hartman@dnr.iowa.gov

Mailing Address: Iowa DNR, 502 E. 9th St., Des Moines, IA 50319